



Service product
Integrity Test

Equipment

Gasketed
Plates Heat
Exchangers

Customer

Spanish
producer of
sweetening
formulas

Alfa Laval

The Secret to avoid unexpected shut downs: Preventive Maintenance for Gasketed Heat Exchangers

↓ 100%

Unexpected shutdowns due to GPHE failures

One of the challenges of the food industry is maintaining high production levels without compromising quality while being cost-effective. Preventive and timely maintenance is crucial as it not only enhances equipment performance but also reduces the risk of unexpected plant shutdowns and ensures product quality.

The Challenge

Historically, the customer's approach to heat exchangers was based on a corrective maintenance policy, leading to poor performance and recurring problems that required unpredictable line shutdowns to correct. This resulted in high operating costs that the client needed to reduce.



Our Solution

To address this challenge, Alfa Laval proposed evaluating the condition of the customer's equipment with the integrity test, which revealed plate condition without opening the units and with minimal downtime. From 14 units tested, the results showed that all the units need to be repaired.

The Alfa Laval complete service offering helps customers not only identify the problem but also take corrective action by implementing a plan to recondition all the equipment at the service centre, install them, and train the personnel at the plant. These activities helped strengthen the relationship with one of the key customers.

Customers' benefits

Valuable results from integrity tests allow customers to proactively plan maintenance to recover their original efficiency, contributing to substantial cost savings and overall operational cost reduction. This case demonstrates how a preventive maintenance approach, like the integrity test, can drive significant operational cost reductions and minimize unexpected production stops.



From defining strategy to ensuring performance, we support your operations every step of the way. Through assessments, training and proactive maintenance, we help unlock reliability, maximize uptime, and drive long-term efficiency.

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