

## CASE FILE

### Too Hot to Handle!

#### The Customer

A Leading Pulp & Paper Manufacturer, Clayton, Victoria, AUSTRALIA

#### The Application

Three vacuum pumps with oil liquid ring system

Filters and heat exchangers  
that required cleaning



Vacuum Pump Set



Oil drain line using vacuum to take away small oil leak from catchment bowl in head end of pump.

#### The Outcome

The Customer is very happy with the Rezitech breakdown service and the high level of skill and experience throughout the team.

Since the repairs and correct servicing of the system the Customer has enjoyed trouble free operation of the centralised pump set.

#### The Problem

Overheating of oil supply in liquid ring subsequently causing the mechanical seals on the pumps to fail. As a consequence of the mechanical seals failing excessive amounts of hot oil at 90c had been leaked across a large area of the production floor creating a serious OHS issue, not to mention the risk of the vacuum pumps running out of oil in the liquid ring.

#### The Products Used

"Workshop Service"

#### The Substrate

Not Applicable

#### The Application Method

As the three pumps were fitted in a centralised vacuum system for the operation of a 24 hour 7 day a week beverage can line, it was imperative that the pumps and system faults be rectified without shutting down the can line. Rezitech personnel arrived at site fully equipped within the hour of the breakdown at the site. The Rezitech team worked through the night replacing the mechanical seals on all three pumps without the need to shut down the production line. At the same time the cause for the overheating was rectified by correctly calibrating the temperature valve. Further work was carried out on the heat exchangers allowing full flow through the heat exchanger to be achieved and ensuring better cooling of the oil being circulated through the pump.

The vacuum pumps were removed several weeks later during a scheduled shut enabling Rezitech to rectify the damage of the internal components of the pumps caused by the excessive temperature of the circulating oil.