



Summary

Industry:	Petrochemical
Application:	Flexible hose
Actual Saving:	£5000
Payback Period:	n/a



Valve, Flange and Hose Replaced to Reduce Failure

Chemical and plastics customer experience cost savings

ISSUE

A large chemical and plastics company was experiencing problems on one of their steam hoses. A 2" diameter x 600mm long flexible hose on a steam pipe was being replaced approximately once a month as it kept developing a hole in the hose.

ERIKS UK Hose Technology were called onto site to assess the problem. The existing hose specified by a competitor was a double braided s/steel close pitch convoluted hose which was very rigid and was taking the tension of any movement from the machine through the pipe work. The hose also had fixed flanges on both ends creating even more tension, contributing to the early failure of the hose. In addition, there was also a problem with condensate gathering in the hose.

SOLUTION

ERIKS UK fitted a single braided s/steel convoluted hose which is far more flexible, and also fitted the hose with a fixed flange on one end and a swivel flange on the other end to reduce the tension. This stopped the hose fighting any movement from the pipe work.

To stop the condensate gathering, a valve was reconfigured to close in a more controlled manner, whereby previously it slammed shut causing the condensate to gather. The hose has been fitted for 3 months with no failure, saving the cost of the hose, labour and downtime.

OTHER BENEFITS

- Reduced downtime
- Cost savings associated with fewer replacement hoses

FURTHER COMMENTS...

A combination of properly selected hose and an alteration to the valves has led to increased reliability for the customer.

MORE INFORMATION

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