



Summary



Industry:	Pharmaceutical
Application:	O-Ring
Actual Saving:	£67,200
Payback Period:	Undisclosed



ERIKS Provide a Reliable O-Ring Solution

Investigation of the Issue Reduced Product Wastage and Increased Uptime Significantly

ISSUE

A complaint was raised by a customer's Micronising department, that existing O-rings were failing, with parts of the O-ring entering the product and causing the batch to be scrapped.

This had occurred on average of 3 times within a six month period. The cost of each batch lost was £22,400.

SOLUTION

ERIKS launched an investigation into the issue, which was led by ERIKS Sealing Technology Specialists. Working closely with the Micronising engineering team and the Micronising Quality department, the resulting investigation found that the gap between the bore and the piston was too high, causing the O-ring to extrude from the piston, which resulted in the failure of the O-ring.

The investigating team's solution was to increase the size of the piston to conform to AS5857-115 and BS1806-115, thus decreasing the extrusion gap. The customer changed the metal work under an engineering change control, and trialled the new piston for over 5 months. There were no further failures during this trial period.

OTHER BENEFITS

- Ceased Product Contamination
- Positive Waste Reduction
- Increased Uptime
- Positive Risk Reduction
- Technical Know-How

FURTHER COMMENTS...

The customer was pleased with ERIKS' specialist technical knowledge and support in helping resolve this issue.

Senior Engineer

MORE INFORMATION

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