



Summary



Industry:	Mining and Quarrying
Application:	Rock salt mine
Actual Saving:	£undisclosed
Payback Period:	<12 Months



Weather Resistant Sealing Solution from Revolvo

Increases plant productivity and efficiency

ISSUE

A customer in Northern Germany was experiencing frequent downtime and loss of production due to poor sealing on plummer block bearings.

The bearings were mounted on conveyor systems approx. 120 metres up on top of a rock salt mountain. With inclement weather patterns and 24 hour running, the bearings were failing prematurely on a frequent basis. The continuous mining of rock salt meant that unscheduled maintenance in production meant losses of production and efficiency.

SOLUTION

After an initial visit by the local ERIKS service centre to listen to the current issues with bearing failures, a call was made to Revolvo.

A site visit of the conveyor systems confirmed the bearing failures were due to poor sealing. In addition to this poor access to bearings meant the removal of power transmission equipment to remove & replace bearings.

A pair of bespoke Revolvo Split Roller Bearing units complete with a triple Kevlar Gland Packing Seal arrangement, blanking plate and stainless steel fixings meant a more weather resistant unit. These were designed, manufactured & mounted by Revolvo in 10 weeks from receipt of order.

OTHER BENEFITS

- Reduced Maintenance Costs
- Increased Productivity
- Increased Efficiency
- Bespoke Sealing Solution

FURTHER COMMENTS...

The result of the more robust SRB unit design means a significant reduction in downtime leading to increased productivity. This is also an example where a standard unit was selected and tailored to the specific needs of the customer.

MORE INFORMATION

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