



Summary



Industry:	Waste & Recycling
Application:	Main drive on recycling conveyor
Actual Saving:	£Undisclosed
Payback Period:	12 months



Revolvo SRB Plummer Blocks Gets Conveyor Running

Downtime was kept to an absolute minimal using SRB expertise

ISSUE

A customer near Dordrecht in the south of Holland separates paper, cardboard & plastic ready for recycling. The plant accepts over 400 containers per 15 hour shift which each carry 27 tonnes of product waiting to be sorted. The plant despatches 370 containers which are then shipped to China for processing.

The customer experienced a bearing failure on the main drive of the primary sorting conveyor. The bearing was captive between a gearbox and coupling on the main drive. The drive idled the belt at a constant low speed for the full 15 hour shift. On a drive such as this when bearing failure occurred then the plant stopped processing.

SOLUTION

A visit made by the local representative for ERIKS in Holland showed the customer the opportunity and benefits available of using a Revolvo SRB unit. A suitable bearing was selected to include a Kevlar Gland Packing Seal arrangement due to the high dust content in the immediate area.

The removal process of the existing plummer block arrangement began at 7.30pm and under 3 hours later the new Revolvo SRB bearing was mounted, the drive re-connected and start up showed no issues.

OTHER BENEFITS

- Increased Performance
- Reduced Maintenance
- Ease of change over

FURTHER COMMENTS...

As the plant processes some of the highest levels of recyclable material, it was important that the primary conveyor drive remain running as long as possible and when changeover on the bearing was required it was done with the minimal disruption to the plant. The customer was impressed with the speed of commissioning and also the ease of inspection, mounting & dismantling.

MORE INFORMATION

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