

# Case Study

## Bearings



### Summary



<b>Industry:</b>	Food and Drink
<b>Application:</b>	Slicing arm on Spinach processing line
<b>Actual Saving:</b>	£N/A
<b>Payback Period:</b>	<8 months



## Revolvo SRB Plummer Blocks Increase Reliability

Sealing arrangement prevents water ingress

### ISSUE

D'Arta is a food processing plant based near Roeselare, Belgium, who process spinach and distribute to the Belgian market. A recent bearing failure on a crop slicing machine revealed over-greasing & water contamination from the existing plummer block bearing arrangement.

The drive shaft is driven by a double chain drive system and supported at either end by two fixed bearing arrangements. The plant runs continuously for 10 weeks a year during the season, and then stood down idle for the remainder of the year. The main issue leading to the bearing failure was over-greasing and water ingress from the previous years production, access to the current bearings was restricted because of location and access.

### SOLUTION

A meeting was arranged with the customer to demonstrate the benefits of the Revolvo SRB units in place of the existing plummer blocks. This demonstration led to an order being generated for four complete 100mm shaft diameter units complete with a walker seal arrangement to prevent water ingress.

Revolvo engineers attended the site in Belgium to educate the engineers on how to mount and dismount the bearing units and to show the ease of inspection and how to change out the seals as and when wear occurred. With the aide of the engineers Revolvo engineers mounted the four bearing units complete and re-aligned motor & gearbox before startup.

### OTHER BENEFITS

- Increased Performance
- Reduced Maintenance Costs
- Reduced Downtime

### FURTHER COMMENTS...

Performance of the bearing units has opened up other opportunities on site, which include six further captive drives on the return section of conveyor belting on the same process machinery. In addition to this a further three process lines which are yet to be commissioned on site will now be specified with a suitable Revolvo SRB bearing unit.

### MORE INFORMATION

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