



### Summary

|                        |                   |
|------------------------|-------------------|
| <b>Industry:</b>       | Food - Dairy      |
| <b>Application:</b>    | Nylicon couplings |
| <b>Actual Saving:</b>  | £n/a              |
| <b>Payback Period:</b> | n/a               |



## Coupling Failure Solved

ERIKS solves Coupling failure for large fresh milk producer

### ISSUE

Robert Wiseman Dairies, who produce 30% of the fresh milk consumed in Britain everyday, were experiencing coupling failures which were impacting on their production, labour and stock holding.

The couplings were HRC style and the problems arose when the rubber element failed. Once the element failed the couplings continued to drive for a short time on the coupling lugs. During this period the heat and shock generated would cause damage to the coupling hubs which in turn would impact on shafts before damaging the geared motor as well as the flange bearings.

### SOLUTION

ERIKS solution was to implement a switch to a David Brown Nylicon coupling. The Nylicon coupling would cease to drive if it failed as the Nylon sleeve would disengage any drive through the shafts to the gearbox.

A trial was run, resulting in a massively extended life of the coupling. On eventual failure there was no additional damage caused to the associated components. Due to the lack of any associated damage, labour to replace the unit was much reduced and production loss was removed completely. Stock holding could be greatly reduced as failures are a fraction of the previous style of coupling.

### OTHER BENEFITS

### FURTHER COMMENTS...

The customer has ordered 60 units to replace all of the existing couplings. Robert Wiseman see potential for other applications and intend for the new couplings to be a site standard, which they intend to request from their Conveyor OEM

Paul Weaver  
Engineering Team Leader  
Robert Wiseman Dairies

### MORE INFORMATION

#### ERIKS Industrial Services

Amber Way, Halesowen,  
West Midlands B62 8WG

**Tel: 0845 006 6000**

**Web: [www.eriks.co.uk](http://www.eriks.co.uk)**

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