

# CAN LINE MOVES TO NG™ EVO RUN DRY SOLUTION FOR LARGE COST SAVINGS



## **BREWERY FINLAND 2014**

### **APPLICATION**

Beverage can line conveyor.

### **SOLUTION TYPE**

Safety: No water/soap on floors causing slip hazard.

Cost Saving: water and soap lubrication elimination, reduced overall maintenance.

Sustainability: reduced water consumption.

### **DESCRIPTION OF PROBLEM**

Wet slippery floors are causing incidents.

Ratio of water usage per produced can is too high.

### **SITUATION**

Product: beer

Container: can

Size: 0,33 liter and 0,5 liter

Dimension: Ø 66 mm

Capacity: 45.000 cph

Machines: 1 filler / seamer

Machine builder: OEM from Germany

Cleaning conveyors: 1x per week,  
foam and high pressure jet cleaning

Area: From filler / seamer till packaging machines.

### **SYSTEM PLAST SOLUTION**

Regal® proposed replacing System Plast® LF chains with System Plast NG™ Evo (NGE) flush grid belts. The NG Evo is a run dry solution that does not require water and soap lubrication.

### **KEY CUSTOMER NEED(S) AND BENEFITS FROM SYSTEM PLAST PRODUCTS**

The NG Evo dry running design does not need water and soap so it eliminated slip hazard on the floor. The conveyor was cleaner and easier to maintain. They saved money from no water usage, no soap, and less cleaning.



# CAN LINE FROM LF CHAIN WET TO NGE BELT RUNNING DRY

## PRODUCT/ITEM OR PART DESCRIPTION

### Belt:

- \* NGE2250FG-M-K330
- \* NGE2250FG-PT-K330
- \* NGE2250FG-PT-Mxxxx
- \* NGE2250FG-PT -M0170T

### Sprocket:

2260-16R30M-DMS and 2260-16R40M-DMS  
2250-18R30M-DMS and 2250-18R40M-DMS

### Idler:

820-21R30M-WL and 820-21R40M-WL

### Distance bush between idler:

Code 12829 and code 12830

## \*ENCOUNTERED ISSUE

2x 90° curve in one drive, second curve towards drive was wearing quickly.

## ISSUE SOLUTION

Solved by installing a standalone curve lubrication unit.

### Set collar to position idler:

VG-SCL-R30M and VG-SCL-R40M

### Return roller:

RR-57B18ML85-PEG

### Flange:

F-100B18ML2-PPG

### Wear strip:

VG-U3042M-NS-20  
VG-Z22WM-NS-150

### Curve\*:

KMD90-xx-xxA-NS  
KMD93-xx-xxA-NS