

## Success Story

Industry: Food and Beverage

Application: Conveyor

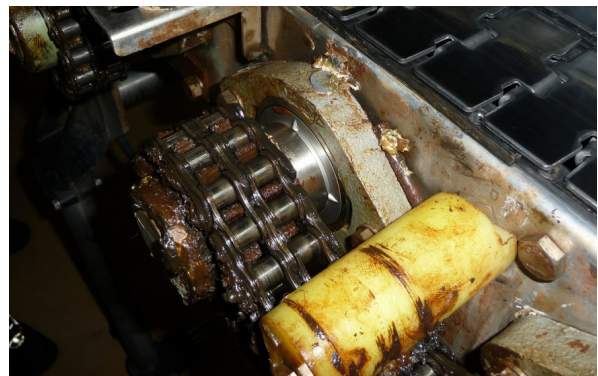
**Cost Savings: 5,080 euros**

### Introduction

An international drinks producer had repeated problems with mounted-unit inserts failing prematurely. Cleaning the equipment with water and chemicals was destroying the bearing seals and washing out the grease pack. As a result, the mounted-unit inserts had to be replaced every 5 to 6 months and re-greased every 3 weeks. NSK was asked to find a solution to this problem in order to improve the service life.

### Key Facts

- Drive/conveyor system (sorting plant)
- Premature failure of a competitor's mounted-unit inserts
- Frequent relubrication
- Service life only 5 to 6 months
- NSK's solution: replacing the mounted-unit inserts with NSK's Molded Oil mounted-unit inserts
- No bearing failures in the first year
- No additional regreasing



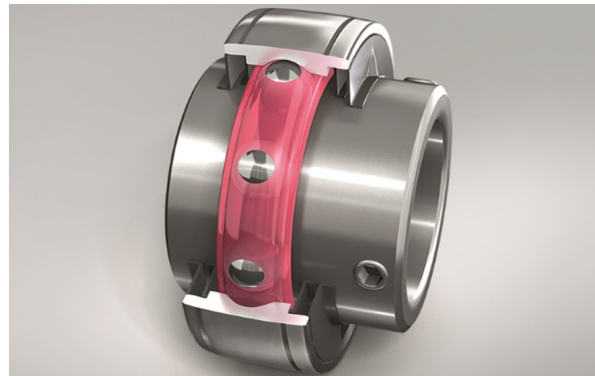
↑ Conveyor drive

### Value Proposals

- Failed bearing investigation showed the seals to be destroyed by the washing process resulting in wash out of the grease pack
- Doubling the service life after supplying successful samples
- 100% reduction in servicing intervals (bearings previously lubricated 17 times a year)
- Ordering and fitting another 12 Molded Oil mounted-unit inserts



## Product Features

- Molded-Oil inserts (with solid lubricant)
- Ideal for remote applications
- Martensitic stainless steel
- Integral Flinger seal and Nitrile rubber seals
- Bore size 20mm – 40mm
- Corrosion resistance
- Resistant to contamination increasing operating life
- No need for re-lubrication



↑ Molded Oil mounted unit insert

## Cost Saving Breakdown

Before	Cost p.a.	NSK Solution	Cost p.a.
 Relubrication	€4.080	No relubrication	€0
 Replacement & modification	€1.000	No modification necessary	€0
<b>Total Costs</b>	<b>€5.080</b>		<b>€0</b>