

PROBLEM SOLVER

IMPROVED BOTTLING LINE EFFICIENCY



Problem: In the water bottling plant of a blue-chip beverages manufacturer, using PET packaging, four conveyors were lubricated by spraying large volumes of water mixed with a soluble lubricant. This created a highly humid environment and caused related problems including slippery floors, foam formation, plant inefficiencies, energy waste, and the need for frequent cleaning.

Solution: SKF were invited onto site to conduct a line walk and review the problem first hand. After evaluating the requirements it was recommended to install an **SKF Dry Lubrication System** which could be configured to lubricate up to 90 flat top chains, with 200 lubrication points. The lubricant used was **SKF Dry Film Lubricant LDTS 1** which has been specially developed for the automatic lubrication of plastic flat top chain conveyors. LDTS 1 is NSF H1 certified for use where incidental contact with food cannot be excluded. In one lubrication line alone, the system resulted in savings of 320 litres soluble lubricant and 93m³ of water per month. Additional benefits were realised in reduced cleaning expenses, enhanced packaging quality and in operator and product safety.

Food &
Beverage



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