# Water Savings Semi-Dry Conveyor Lubrication Dicolube Sustain 2 VL112

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### A. Aim

- Reducing water usege to 3.5ht/ht is a strategic goal of SABMiller
- A trial was set to contribute to this objective by reducing water consumed through conveyor lubrication, without compromising the efficiency of the conveyors or increasing

# B. Background

- Lubricating conveyors in beverage packaging facilities by spraying a diluted lubricant ensures smooth and efficient operation of the conveyors by reducing the Co-efficient of Friction (COF) between wear strip and slat, as well as between container and slat.
- More than 98% of this solution is water, of which 90% falls to the floor and is wasted.



- Added to the waste are excessively wet and slippery floors
- The presence of moisture promotes microbial growth, compromising hygiene levels in packaging halls.



#### Slime Growth

Wet Floors

 The introduction of Fully Dry Lubricants has produced unsatisfactory results, especially on Returnable Glass Bottle (RGB) lines where soil levels are high.

#### C. Methodology

- At Nile Breweries Limited, Uganda, Diversey Dicolube Sustain 2 VL112 was applied through the conventional conveyor lubrication system, from unpacker to packer.
- Spraying intervals were reduced up to 75%.
- The perfomance of this
  application was measured
  are fully interviewed and the following a
- . against the following critria:







Gavin van Wijk - (Technical Director, NBL, Uganda)

Conclusion

- Water used for conveyor lubrication in beverage packaging facilities, can be reduced by more than 52% when using a specially formulated SEMI-DRY lubricant.
- All performance, reliability and cost criteria for conveyor lubrication are met throughout the application.
- Diversey Dicolube Sustain 2 VL112 has been Globally approved by SABMiller as a water saving measure in all packaging facilities, including RGB Lines.