

Sustainable Lubrication for Beverage Conveyors: Reducing Water Use and Biofouling Risks

What if you could reduce water by up to 65% and prevent biofouling?

Challenge

Is excessive water consumption and biofouling threatening your packaging line efficiency and leading to increased maintenance and manual intervention?

Traditional soap-and-water “wet lube” systems have long been central to conveyor lubrication. However, they are water-intensive, negatively impacting your water:beverage ratio and creating ideal conditions for biological growth in pipelines and conveyors.

Solution

Dicolube Sustain-5 is a specially formulated high performance track treatment lubricant designed for steel and plastic conveyors across all packaging types - plastic, cans, and glass. Its smart dispensing system combines low water usage with an enhanced action that prevents biofouling in conveyor line pipework to deliver improved hygiene and overall operational efficiency.



Value

With Dicolube Sustain-5, you can:



Sustainable Use of Resources

- Achieve 50–65% water savings compared to traditional wet lubrication
- Reduce water usage, chemical cleaning requirements, and wastewater costs
- Utilize low-quality or recycled water, compatible with hard and soft water sources
- Reduce toxicity compared to traditional biocidal lubricants, supporting safer operations
- Lower effluent costs and environmental footprint



Operational Efficiency

- Prevent biofouling in pipework, avoiding blocked nozzles and labour-intensive cleaning
- Propel containers with enhanced quality and reduced maintenance disruptions
- Maintain hygiene standards with less manual intervention



Expertise and Knowledge

- Benefit from tailored recommendations and support from Diversey experts
- Implement with minimal to no investment
- Access to customise dosing systems for your specific operational needs

Process

Dicolube Sustain-5 is optimised to take advantage of the maximum achievable water saving at the minimum operating cost, truly achieving operational efficiency. Smart application, through your existing line lubrication equipment limits the required investment to implement Dicolube Sustain-5 effectively.



Case study



Location:
Water bottling line, UK

Challenge:
~30,000 b/h RGB line with wet lubrication requiring regular deep cleans. Significant biofilm formation.

Solution:
Implementation of Dicolube Sustain-5



50%
Water saving of
> 2000 m³/year
achieved



Effective pipework
and conveyor
hygiene



Long term
implementation



Improved effluent
profile

Contact Diversey Today

Discover how Dicolube Sustain-5 can transform your packaging line efficiency and sustainability.

