



DRYEXX™ PRO WILL SAVE CUSTOMER 1.5 MILLION GALLONS OF WATER ANNUALLY IN DROUGHT-STRICKEN AREA



CH-1856

DryExx PRO Provides Opportunity to Conserve Water, Reduce Costs & Improve Conveyor Line Cleanliness

CHALLENGE

A bottled water facility in Southern California desired to reduce their water usage and approached Ecolab to assist in this effort. The plant had previously tried dry lubrication for their conveyor lines, but were not satisfied with the performance, and wanted a product that could be used 'wet' or dry. Additionally, the customer was experiencing issues with microbial growth in their wet lube distribution lines, requiring frequent cleaning of the header system.

SOLUTION

The plant partnered with Ecolab, who recommended the use of DryExx™ PRO, a versatile conveyor lubricant that is designed to be diluted with water and sprayed frequently, or sprayed undiluted infrequently. It can be used wet when required and dry when desired. The product trial was conducted by first converting the lines to DryExx PRO in wet mode with favorable results. The lines were then converted to DryExx PRO as a dry lubricant as the customer became more comfortable with the new product and the dry lubrication met their performance criteria. The QA Manager was impressed that the dry-lubricated lines were visibly cleaner and even smelled cleaner. Eventually, all lines were converted to DryExx PRO, and the customer was able to avoid using water for conveyor lubrication.

RESULTS

USING DRYEXX PRO AS A DRY LUBRICANT ELIMINATED WATER FROM THE CONVEYOR LUBRICATION PROCESS:

- Eliminated water that was a source of microbial growth in the lubricant distribution system and eliminated need to regularly clean the header system.
- Will allow the customer to conserve 1.5 Million gallons of water annually.
- Dry lubrication results in drier production floors, which helps reduce the potential for worker slips and falls.

CONCLUSION

DryExx PRO conveyor lubricant provided a bottled water customer in a drought-stricken area the ability to conserve water, reduce their water costs*, improve the cleanliness of their conveyor lines and help decrease their worker safety risk with dry production floors.

CUSTOMER IMPACT	eROI SM	ANNUAL ECONOMIC IMPACT	*Using the Water Risk Monetizer tool, the customer would be able to calculate water savings by accounting for the location's water risk premium. The tool calculated a savings of \$36,263 in year one versus \$10,500 using current market price, which would help to facilitate a stronger business case to invest in water stewardship activities.
Conserves 1,500,000 gallons of water annually		Saves \$10,500 of water costs at \$7/1000 gallons*	
Improved conveyor line cleanliness		Saves time - eliminated need to frequently clean header system	
Drier production floors		Reduced potential for worker slips and falls at average of \$4500 per incident	

eROI is our exponential value: the combined outcomes of improved performance, reduced costs and sustainable impact delivered through our services and programs.

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