

Executive Summary

A global commercial laundry services facility processes over 1 billion pounds of clean laundry every year. In order to maintain a consistent brand and quality product across 50+ commercial laundry plant locations, the laundry expects key performance indicators to be closely monitored and analyzed by their chemical provider for continuous improvement opportunities.

Problem:

The Ecolab service team for this account identified an increase in the production of heavy soil work-mix as the source of increasing operational expenses, including water and energy, garment replacement and labor costs.

Solution:

The Ecolab team reviewed the heavy-soil work mix wash formulas being used and discovered opportunities to increase efficiencies with Performance Industrial **XXL**. The new patent pending, soil removing technology with dedicated surfactants, specifically formulated to eliminate a variety of heavy-duty industrial soils is sustainably designed without NPE's, phosphates, EDTA and aromatic solvents, offering shorter formulas that exchange less water and effectively clean in lower temperatures.

PRODUCTIVITY IMPROVEMENT*: **HEAVY SOIL COLORED SHIRTS**

As the heavy-soil work mix increased in volume, the pre-Performance Industrial XXL formulas became less effective and caused a spike in operational expenses. **New technologies, formula revisions, appropriate sorting and adherence to wash procedure protocol produced significant synergies and savings.**

Pre-Performance Industrial XXL		Performance Industrial XXL
13	 Formula Steps	11
160°F	 Water Temperature	150°F
38:55	 Run Time	30:25
12	 pH Level	10.5

Savings



WATER

104 GALLONS
SAVED IN EACH
RUN



ENERGY

10 DEGREE
DECREASE IN TWO
FORMULA STEPS



TIME

08:30 MINUTES
SAVED PER
FORMULA

PRODUCTIVITY IMPROVEMENT*: **BAR MOPS**

Pre-Performance Industrial XXL		Performance Industrial XXL
25	 Formula Steps	21
180°F	 Water Temperature	150°F
1:09:30	 Run Time	56:55

Savings



WATER

340 GALLONS
SAVED IN
EACH RUN



ENERGY

10 - 30 DEGREE
DECREASE IN FOUR
FORMULA STEPS



TIME

12:35 MINUTES
SAVED PER
FORMULA

SOIL REMOVAL

Soiled with
Dirty Motor Oil/Grease



Washed once with
Performance Industrial **XXL**



SUSTAINABLE PROPERTIES

Sustainable and biodegradable to deliver the best customer results while maximizing environmental safety.

• **NO NPE'S**

• **NO EDTA**

• **>98% REDUCTION**

• **NO PHOSPHATES**

• **NO AROMATIC SOLVENTS**

IN VOC

TOTAL PLANT SAVINGS



WATER

10.3%

5.11M
GALLONS SAVED
ANNUALLY

\$26,112.00



ENERGY

16.97%

76,884
THERMS SAVED
ANNUALLY

\$26,910.00



TIME

13.4%

AVERAGE
WASH FLOOR
HOURS SAVED
ANNUALLY

ANNUALIZED OVERALL ACCOUNT SAVINGS



WATER

216M GALLONS



ENERGY

3.3M THERMS



TIME

175,165 HOURS

*All data on file with Ecolab. Program results may vary based on individual plant procedures and geographical location.