CASE STUDY

Right Chemistry, Right Concentration: NuTech Grand Slam Cuts Annual Vehicle Wash Spend 56%

CHALLENGES

The incumbent soap was not delivering an acceptable clean under standard foamer application and low-pressure rinse conditions. Vehicles and equipment often needed manual cleaning or repeat washing, adding time to a routine fleet maintenance process.

At the required concentration, the program used more chemical and required frequent tote deliveries. Without a change, handling demands and inconsistent wash results would continue.

SOLUTIONS

A head-to-head trial against the incumbent product and NuTech Grand Slam was conducted. Nutech Grand Slam was applied at 0.45% and the incumbent at 1.6%. Both products were applied by foamer and rinsed using a low-pressure hose. Identical conditions were maintained to produce a direct, observable comparison.

RESULTS

Effective cleaning restored at one-quarter the concentration. Under identical field conditions, Grand Slam cleaned vehicles the incumbent at 1.6% could not.

Annual soap spend reduced by 56%. Reduced program cost from better cleaning at a lower concentration.

Delivery frequency reduced by ~75%. Tote requirements dropped from two per year to one every two years.

No equipment or process changes required. Grand Slam ran through the existing foamer and rinse setup.

AT A GLANCE

A Western Canada fleet maintenance operation was using a wash bay soap that could not consistently clean equipment and vehicles. By switching to NuTech Grand Slam at one-quarter the concentration, the customer improved cleaning performance and reduced annual soap spend by 56%.

KEY METRICS

56% SAVINGS IN CHEMICAL COSTS

75% LESS CHEMICAL CONSUMPTION

IMPROVED PERFORMANCE

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DATA

SYSTEM PERFORMANCE DATA

These figures reflect a single-site vehicle wash soap trial at a Western Canada fleet maintenance location. Grand Slam at 0.45% and the incumbent soap at 1.6% were evaluated under identical conditions — foamer application with low-pressure rinse. The cost and supply chain data are based on current annual usage rates at this location. The cleaning performance comparison was observed directly during the trial.

Parameter	Incumbent	NuTech Grand Slam	Operational Impact
Application concentration	1.60%	0.45%	Reduced product volume by ~75% under the same wash process.
Annual product cost	Baseline program spend	56% lower	Reduced annual program cost
Delivery frequency	2 totes/year	1 tote every 2 years	Reduced receiving, handling, and storage demands.
Cleaning performance	Did not meet customer standard	Effectively cleaned fleet	Restored acceptable cleaning performance