

Fluid Control Saves \$1 Million at Automotive Supplier

The Problem An automotive supplier needed to improve fluid-related service in the area of in-process chemistry; purchasing; inventory control of all chemicals used in the facility; waste water treatment; chrome reductions system operation; ISO certification; and data collection, and storage.

At the same time, however, fluid-related costs at the plant level needed to be reduced. How could the plant accomplish this?

The SRS Service SRS was contracted to provide this customer with a Fluid Control total fluid management program. Some of the specific goals of the program were to save money and improve working conditions by improving fluid selection, control, and management. Upon the start up of the program, SRS analyzed the plant's overall chemical quality. SRS sampled the current coolants and cleaners, and conducted an inclusive bench testing process, incorporating both existing plant chemistry as well as chemicals from a variety of chemical suppliers. Utilizing the SRS state of the art purification technologies, SRS developed a program to purify and maintain the in-process coolants and cleaners used in the plant. SRS was able to eliminate disposal cost and liabilities and greatly reduce chemical purchases.

The Results SRS has improved in-process quality and reduced fluid usage through implementation of dilution control and more efficient fluid sampling, testing, and management techniques. Utilizing the SRS state of the art purification technologies, SRS has achieved zero disposal for all coolant and cleaner within the facility. SRS's evaluation of the plant's existing chemistry allowed SRS to suggest, trial, and implement a product replacement that improved sump life, microbial resistance, and operator friendliness, and increased tool life. The SRS Fluid Control program has provided this customer with significant direct cost savings as well as a 20% plant-wide improvement in tool life. Overall fluid-related quality continues to increase due to continual improvement projects.

Documented Cost Savings Produced: over \$1,000,000.