

Situation

A major automotive parts supplier to a "BIG THREE" truck manufacturer was encountering serious issues with non conformance cleanliness levels from high pressure diesel fuel rail components exiting a Ransohoff® parts washer. Consequently extra wash stations and manpower had to be added to the cleaning process in an attempt to attain the cleanliness codes laid out by the customer and ultimately the end user.

Solution

After a thorough review of the machine and it's operation, intermittent fluid samples were obtained to establish a base line contamination level. In addition, the contaminant removal process was reviewed and any necessary improvements were implemented. The improvements primarily included a combination of more efficient contamination removal products coupled with a better method for monitoring system parameters.

Subsequent to these changes intermittent fluid samples continued to be drawn in addition to an in house training designed to ensure that the personnel understood the importance of following a sound quality control plan.

Value in Use

Since the system enhancements were implemented less time has been spent on the primary washing sequence coupled with substantial cleanliness improvements on the manufactured part.

In addition, the extra cleaning step was

Automotive Parts Washer

removed thereby reducing the overall manufacturing costs including labour.

The ROI was virtually immediate as the parts manufacture was able to meet the end users production schedule and cleanliness specification consistently.

