



DEBRIS TO DREAM

TEKLEEN FILTERS OPTIMIZE GREAT DANE TRAILER TESTING

Great Dane

PROJECT OVERVIEW:

Impacted by messy trailer testing that halted production and wasted time and water, Great Dane found transformation in Tekleen's self-cleaning filters. These automated marvels eliminated cleaning shutdowns, slashed labor costs, conserved water, and boosted efficiency, leaving Great Dane with a smoother operation, happier workers, and a more sustainable future.

SOLUTIONS:

Tekleen filters transformed Great Dane's test bays from messy downtime magnets to efficiency powerhouses. These self-cleaning wonders automatically whisk away debris based on pressure, eliminating manual cleaning and its associated shutdowns. The sparkling water then gets recirculated back into the tank, slashing the need for draining and refilling, making Great Dane's testing process both efficient and water-friendly. Talk about a win-win!



CHALLENGES:

- **Production Downtime:** High-pressure trailer testing generated debris (metal shavings, dust, dirt) that contaminated the wash/testing water, requiring frequent manual cleaning of the filtration systems. This led to production shutdowns, impacting efficiency and output.
- **Labor Costs:** Manual cleaning of the filters was time-consuming and inefficient, contributing to high labor costs.
- **Water Waste:** Frequent draining and refilling of the 4,000-gallon holding tank resulted in unnecessary water usage and environmental concerns.

RESULTS:



- **Reduced Downtime:** Continuous filtration eliminated cleaning shutdowns, boosting production efficiency and output.



- **Reduced Labor Costs:** Automatic cleaning minimized the need for manual labor, leading to significant cost savings.



- **Reduced Water Waste:** Recirculation of water significantly decreased the amount of water used, promoting environmental sustainability.



- **Improved Efficiency:** Streamlined operations and automated cleaning processes enhanced overall efficiency.



- **Virtually No Maintenance:** Automated cleaning eliminated guesswork and ensured consistent performance, simplifying maintenance schedules.

Great Dane's high-pressure Test Bays ensure trailer integrity and cleanliness, using 4,000 gallons of water in just 5 minutes to simulate extreme conditions before the trailers leave the factory.



“*The water pressure hits the trailer like a hurricane.*”

— Mr. Christopher Stolfe, Sr. Manufacturing Engineer at Great Dane Trailers