



SYSTEM AVAILABILITY

BDC FILTRATION, FCU1315 PREVENT STARTUP DELAYS IN CRITICAL BACKUP GENSET

Technical Application Bulletin

CHALLENGE

A major data center site, recognizing that their backup genset belly tanks were vulnerable to microbial growth due to infrequent usage, sought testing and diesel filtration solutions.

APPROACH

Testing at Schroeder's Fluid Care Center showed extremely high ISO codes and water saturation in the belly tank samples, far exceeding the global fuel standard of 18/16/13 and putting the system at risk of failure. Schroeder's experts recommended the BDC for a mobile filter cart option to handle gross contaminants and water removal, with an FCU1315 to provide immediate feedback and data recording.

RESULTS

- FCU1315 and BDC enable preventative protection in the event of emergency by tracking, recording, and maintaining bulk fuel quality for backup gensets.
- Zero fuel quality-related delays in genset startup
- Protection from downtime which, in the data center industry, can cost between \$140,000 - \$540,000 per hour

FCU1315: Portable service unit for measuring critical diesel contamination parameters

BDC: Highly effective kidney-loop filtration cart for dewatering and filtering large quantities of diesel fuel



DATA CENTER SEEKING PREVENTATIVE FUEL QUALITY SOLUTIONS

TESTING REVEALS HIGH LEVELS OF CONTAMINATION



DETAILED, REAL-TIME FUEL QUALITY INSIGHTS WITH FCU1315

ZERO
FUEL-RELATED
STARTUP DELAYS



PROTECTION FROM DOWNTIME COSTING
\$140K-\$540K/hr

