



CASE STUDY

CUSTOMER

WEATHERFORD COLOMBIA LTD

LOCATION

GACHANZIPA DC, COLOMBIA / 2013

EQUIPMENT

FUEL DISPENSER

APPLICATION

DIESEL FUEL

PROVEN RESULTS



CONVENTIONAL FILTRATION PROVEN INEFFECTIVE IN FILTERING WEAR PARTICLES UNDER 10 MICRONS

CHALLENGE

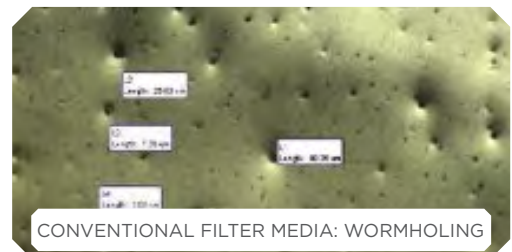
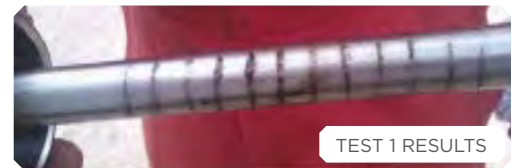
Weatherford Colombia was finding high levels of ferrous contamination in their diesel fuel. Equipment running on the dirty fuel required sub-micron level filtration; without it, the equipment was experiencing premature wear of fuel system components, reduced burn efficiency and increased emissions.

SOLUTION

Install an OEI magnetic filter scrubber in two locations, both upstream and downstream of the conventional fuel filters already in place.

RESULTS

Two consecutive filtration tests were conducted by installing the magnetic filter scrubber before and after the conventional filters. In both tests, significant amounts of contamination were collected on the magnetic filter element. The tests clearly identify the inability for the conventional filtration to capture contamination under 10 microns. Ferrous wear particles cut holes in the traditional filtration media (known as "worm holing") causing channeling of the fuel. This increases the wear rate of injection fuel systems and may generate particulate matter emissions.



RECOMMENDED
PRODUCT

**MAGNETIC FILTER
SCRUBBER**



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