



CASE STUDY

CUSTOMER

TRUCK DRIVER TRAINING

LOCATION

CALGARY, AB CANADA / 1999

EQUIPMENT

KENWORTH TRUCK, N-14 CUMMINS ENGINE

APPLICATION

FUEL

PROVEN RESULTS



FUEL CLEANLINESS IMPROVED

ENGINE PROTECTED

TEST

On Feb 1st 1999, we received the results of a 6-month fuel test conducted with CCA Truck Driver Training Ltd, in Calgary, Alberta.

The test vehicle was a Kenworth truck equipped with an N-14 Cummins engine. The fuel filter was a Fleetguard filter part number FS1000. This is a fuel filter designed to remove contamination down to 8 microns.

Once a month OEI obtained a mid-stream fuel sample. The first 4 fuel samples were obtained without a magnetic filter pad on the fuel filter. The last 2 fuel samples were taken with a Bear Trap magnetic filter pad attached to the exterior of the fuel filter.

RESULTS

The vehicle was operated in the Calgary area and always fuelled at the same location. This was an important benchmark for the test. The following data is a summary of the test proving the increased filtration efficiency utilizing the magnetic filter pad.

The results produced a reduction in:

- » 5 micron particles of 75.0%
- » 15 micron particles of 68.6%
- » 25 micron particles of 43.0%



FUEL ANALYSIS PARTICLE COUNT WITH STAND-ALONE CONVENTIONAL FUEL FILTER:

| | |
|---------------------------|----------|
| 5 - micron particle count | 266 PPM |
| 15-micron particle count | 27 PPM |
| 25-micron particle count | 5.25 PPM |

FUEL ANALYSIS PARTICLE COUNT WITH BEARTRAP MAGNETIC FILTER PAD ATTACHED TO CONVENTIONAL FUEL FILTER:

| | |
|---------------------------|----------|
| 5 - micron particle count | 65.5 PPM |
| 15-micron particle count | 8.5 PPM |
| 25-micron particle count | 3 PPM |



UPDATED PRODUCT RECOMMENDATION
INLINE MAGNETIC FILTER SCRUBBER



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