



**FILTER
TECHNOLOGY**

cleaner fluids mean better business

CASE STUDY



Emissions

Case No : 6 - 6 - 6

Emissions : Cat 826G Compactor

Caterpillar 826G Trash Compactor..Carson City, Nevada, USA

This is a 2001 model Caterpillar trash compactor with point foot drums, it had performed 5,650 hours of operation at the time of the first opacity measurement. The opacity test was performed and the adjusted results were 77.7% smoke. The machine failed a valid 40% on road test. For the compactor's year of manufacture, 2001, this is the required specification in Nevada.

One Filter Technology FMO3 by-pass oil filter was fitted at the time of the machine's service interval of 250 hours. The machine was operated for two days and a Filter Technology FMF3 fuel filter was then installed. The machine was operated for five minutes and the opacity was tested. The new readings were 37.9% smoke, a reduction of 40 percentage points, or a reduction of approximately 51.5% in visible particulate.

Results were:

Standard	77.7% smoke - Fail
Re-tested with FTA fuel and oil filters	37.9% smoke - Pass

