



**FILTER  
TECHNOLOGY**

cleaner fluids mean better business

**CASE STUDY**



**Bulk Filtration** Case No : 5 - 6 - 6

**Bulk Fuel Filtration : National Bus, Victoria**

**National Bus**

National Bus fitted 2 depots in Melbourne, Doncaster and Fitzroy, with Saturn Pump Bulk fuel systems in November 2001.

After 15 months of monitoring, both depots are showing significant whole-fleet fuel consumption improvements. There have been no changes to the fleets' age and the 15 months of continuous fuel saving must be attributed to the installation of the FTA Saturn fuel pump systems.

Doncaster has 15 months of continuous operation and is average 6.07%\* whole of fleet fuel savings. The graph below shows when filter elements start losing efficiency, when they need changing and when they were changed.

Fitzroy with its on and off again filter use is at 3.79% improvement for the whole fleet. Significantly, the graph highlights how well the filters work at the time - when the filter was turned back on is very obvious.

Peter Angus of National Bus stated that in-field fuel related breakdowns were reduced by 98.9%.

\*Note: National Bus can accurately track fuel figures for each individual bus at both their depots.



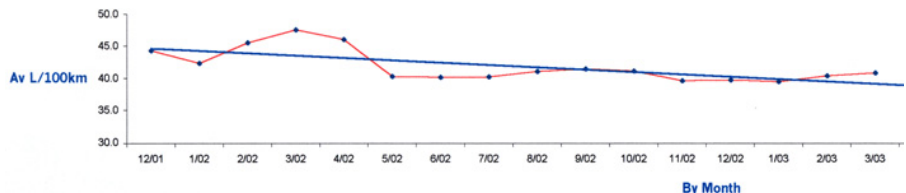
	Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Date	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Doncaster	44.29	42.37	45.53	47.78	46.10	40.29	40.200	40.250	41.110	41.510	41.150	39.640	39.810	39.550	40.440	40.880
Fitzroy	46.78	46.36	47.49	36.44	47.33	46.72	45.780	46.990	46.250	45.770	45.720	46.630	46.780	46.220	40.430	37.030

**Doncaster**

00-01 Average unfiltered fuel 44.29

01-03 Average filtered fuel 41.76

**%change year to date -6.07**



**Fitzroy**

00-01 Average unfiltered fuel 46.78

01-03 Average filtered fuel 45.07

**%change year to date -3.79**

