



**FILTER
TECHNOLOGY**

cleaner fluids mean better business

CASE STUDY

Transport

Case No : 3 - 6 - 9

MAN Mk 1 Bus Fleet, Engine Fuel Filters : National Bus Company, Melbourne

BUS FLEET PROVES CLEANER FUEL CUTS COSTS AND REDUCES EMISSIONS

A 12 month evaluation carried out by Victoria's major passenger bus operator, National Bus, has confirmed significant savings have resulted from fitting advanced fuel filtering systems developed by Filter Technology Australia.

National Bus Company operates a fleet of over 270 buses on routes throughout the Melbourne metropolitan area, much of the daily running encountering heavy traffic conditions.

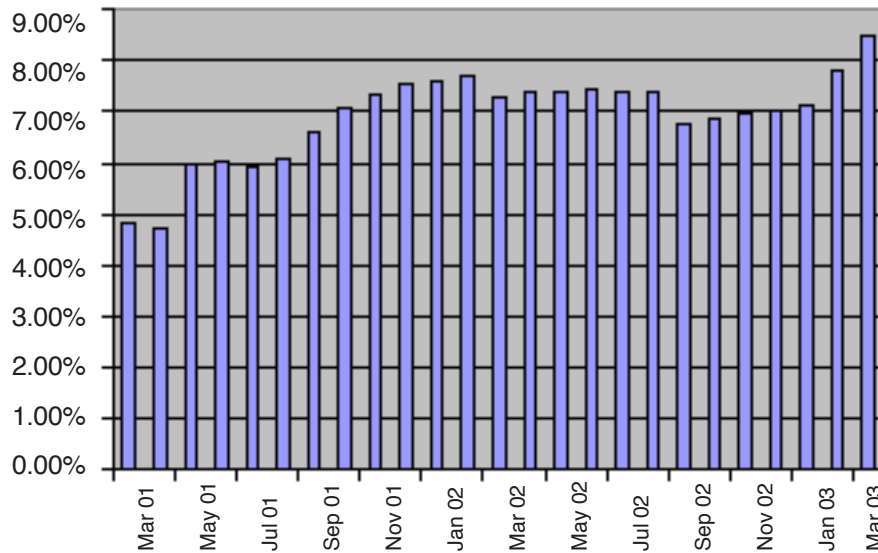
In a move originally aimed at improving reliability through better fuel filtration, the company's Fleet Maintenance Manager, Peter Angus, had Filter Technology FMF3 systems fitted to a number of the MAN Mk 1-diesel buses operated by the company. At the same time an accurate record was kept of fuel costs before and after the filters were fitted.

In the first month after Filter Technology Australia systems were fitted, fuel savings of 4.85% were recorded. Over the ensuing 12 months, fuel efficiency gradually improved further so that monthly savings are now running at 7.69 % (Now at 8.5% as at March 2003).



This translates to a first year saving, including cost of installation and element service, of \$464.99 per bus. The saving each year after installation, including element service, is \$1359.99 per bus. (calculations at 85c/litre).

Fuel percentage improvements by month for last 25 months



*Latest figures to March 2003

“I have to admit being surprised by the results” Mr. Angus says. “I knew that cleaner fuel could improve reliability, but I didn’t expect the dramatic effect on fuel consumption. And the lower fuel consumption is an indicator the engines are running more efficiently, meaning there must be a comparable reduction in emissions.”

The results achieved by the National Bus Fleet parallel those recorded in both laboratory and field tests carried out by Filter Technology Australia Pty Ltd.

For a bus company operating in a comparatively dust free environment, and with an essentially clean supply of fuel, to be able to achieve such an improvement, the potential gains for advanced fuel filtration in harsher conditions are obvious. The principle of “the cleaner the fuel, the less fuel required” is now being applied to a wide range of heavy engine applications – ranging from light diesels, to mining and agricultural equipment.

Filter Technology Australia Pty Ltd manufactures a wide range of fuel and oil filtration systems. The company grew out of previous involvement in mining, transport, earthmoving and quarrying.