



**FILTER  
TECHNOLOGY**

cleaner fluids mean better business

**CASE STUDY**



**Bulk Filtration** Case No : 5 - 6 - 12

**Bulk Fuel Filtration – Councils (1)**

**Lake Macquarie City Council**

Lake Macquarie City Council has now had JQ440F filtration systems installed to both diesel bowsers at their depot for many years now. In this time the benefits of installing these systems have been closely monitored to assess any environmental and cost savings that have been achieved across the fleet. Since installation LMCC reportedly has achieved a 2% reduction in fuel consumption, and have extended the life of their OEM filters from 3 to 12 months across the fleet, giving a huge cost saving and less waste going into landfill. These results have been published nationally and as a result of this achievement Filter Technology was nominated, and won the award for Best Environmental Product at the Newcastle Environmental Achievement Awards.



**Newcastle City Council**

Newcastle Council approached Filter Technology to be part of a new environmental project aimed at lowering tailpipe emissions. This program was the first official testing of Bio-Diesel across a fleet in Australia, Filter technology was asked to provide filtration solutions in an attempt to assist in reducing moisture content and particulate contamination in the Bio-Diesel, NCC also recognised the substantial cost saving that could be achieved from a fleet perspective simply by providing cleaner diesel to their fleet. Before filtration fuel analysis indicated the Bio-Diesel was at ISO 21/17, well above acceptable limits. The after filtration results indicated ISO 16/13, representing a reduction of particulate contamination by 89% and a 32% reduction in water, bringing the fuel well back into spec.



Before	Before	After
9-Nov-03	10-Nov-03	11-Nov-03
202,934	202,935	202,457
BioD	BioD	BioD
-	-	-
No	No	No

34295	18473	3689
10552	3073	572
2157	477	135
877	133	54
281	31	12
147	17	5
24	5	
9	2	

21\17	19\14	16\13
336	131	110