

## CASE STUDY - BUSES

CS005

Client: Bus depot

Situation:



Public transport vehicles fitted with air conditioning undergo a service once a year. This service may or may not include cleaning of the air conditioning coils and filters. Air conditioners on buses are just as prone to build up of mould and bacteria, as any indoor situation.

Buses are also obligated to comply with standard AS/NZS 3666.4 for Indoor Air Quality. The standard says that the maximum recommended count before action is required is 1000 counts per cubic meter of air. (Note: 1000 counts is the equivalent to a SAN-AIR Test Kit reading of not more than 21 total (mould plus bacteria) counts)

The client's business credo includes making use of any method available to improve the wellness of their vehicles for the benefit of their customers. They started using SAN-AIR to maintain high levels of sanitation for their vehicles. Bio-burden levels were recorded as part of this maintenance regime.

Treatment:

Four buses were chosen, at various stages of SAN AIR usage.

BUS ID	SAN-AIR treatment
104	Not treated with SAN-AIR
103	Treated with SAN-AIR for 1 week (Serviced externally 10 months prior)
102	Treated with SAN-AIR for 2 years
101	Treated with SAN-AIR for 2 years

Two readings were taken two weeks apart.

Result:

The results demonstrated that vehicles treated with SAN-AIR had a better than 80% improvement in overall germ count than vehicles not treated with SAN-AIR. The best result obtained in this study was a 91% improvement in germ count.

Vehicles with SAN-AIR had 97% lower mould contamination and 60% lower bacteria counts than vehicles not treated with SAN-AIR.

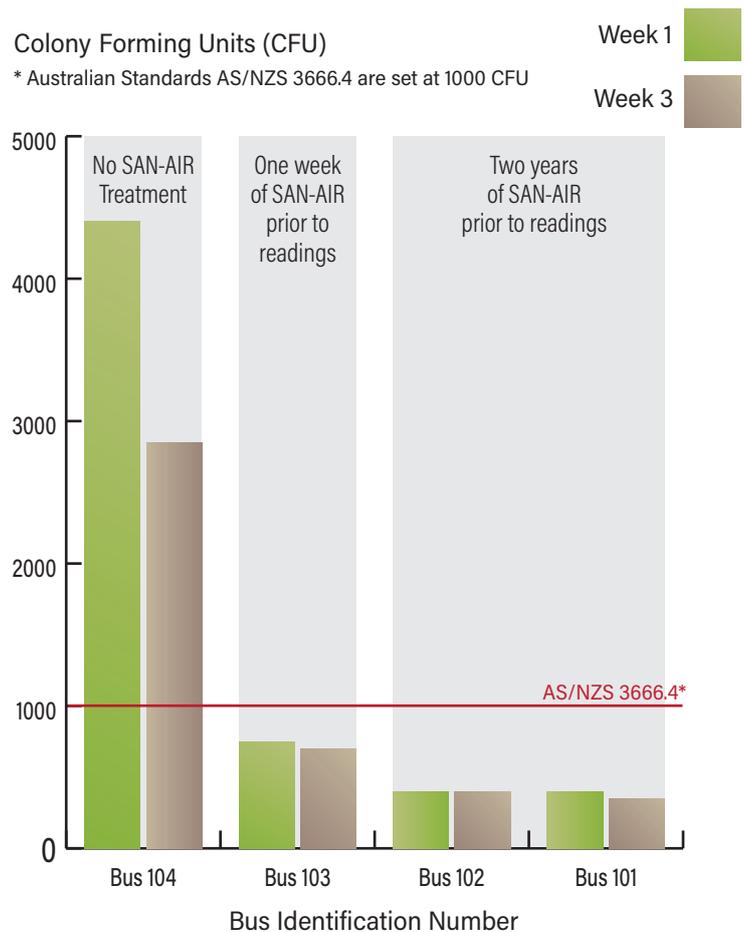
Conclusion:

Bus maintenance with SAN-AIR provides:

- Easy compliance with AS/NZS 3666 1-4
- An improved maintenance service cycle
- Reduced occasions where bus is out of service
- A healthier environment for passengers and employees

Colony Forming Units (CFU)

\* Australian Standards AS/NZS 3666.4 are set at 1000 CFU



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p: 042 4200 e: sales@sanair.com.au w: san-air.com.au