

# Case study 607

## Fishing club seeks remediation assistance

When a local fishing club began experiencing an increased presence of algae in its lakes, they contacted Sykes Pumps in search of a rapid solution. Algae are essentially plant-like organisms that grow when a body of water contains inadequate nutrients or is deprived exposure to enough light. A nutrient-enriched lake is likely to cause large quantities of algae to develop, and when this occurs it poses a problem to lake's long-term condition.

Our client complained that an oxygen deficiency combined with hot weather had caused over 600 fish to die. It was therefore imperative that we responded immediately to curtail the effects of algae, and we sent a technician to assess the area shortly after contact.

Following a thorough site survey, a Venturi Aeration system was recommended and this was expected to solve the issue. Jet Aerators are typically fitted to the discharge side of our pumps and help increase the levels of oxygen present in water. These are regularly utilised in projects of this nature and serve to restore a desirable environment for the lake's inhabitants.

As is our company pledge, we mobilised the equipment on the same day of enquiry which prevented further fish from succumbing to contaminated water. The package itself incorporated a 6" silenced pump as well as the required hosing, and this was quickly installed shortly after being delivered to the location. Once commissioned, the unit's automatic feature allowed it to function continuously without being supervised, thus enabling the assignment to be completed extremely efficiently.



Weight 1230 kg with fuel/1133 kg without  
Dimension (LxWxH)mm: 2100x1500x1635  
Noise level Typical noise level at 1m = 94 - 98 dBA  
Performance Max head: 38 m/Max flow: 90 l/s/Max solid: 52 mm  
Fuel Tank Capacity 122 litres  
Fuel Consumption Typical fuel consumption on full load @ 1800 rpm: 5.5 l/h



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